PATENT

Attorney Docket No. 97-3-804CON1

#3

Certification Under 37 CFR 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date 6/22/01 in an envelope as "Express Mail Post Office to Addressee" mailing label Number EK555899131US addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231.

Mary E. Anza

(typed or printed name of person mailing paper)

Mary E. Anza

(Signature of person mailing paper)

In re Application of:

Deepak Ayyagari et al.

Serial No: Unassigned — Group Art Unit: 2732

Filed: Herewith — Examiner: Unassigned

For: CAPACITY ENHANCEMENT FOR MULTI-CODE CDMA WITH INTEGRATED SERVICES THROUGH QUALITY OF SERVICE AND ADMISSION CONTROL

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.98

Pursuant to 37 C.F.R. §§ 1.56 and 1.98, applicant brings to the attention of the Examiner the documents listed on the attached PTO 1449. Copies of the references are available in the prior pending application, Serial No. 09/113,551, filed 7/10/1998.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicant determines

that the cited documents do not constitute "prior art" under United States law, applicant reserves the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

This Information Disclosure Statement is being filed before receipt of a first Office Action on the merits for the above-referenced application. Should a first action on the merits have been issued on the same day or before this Information Disclosure Statement is filed, please accept this Information Disclosure Statement under Rule 97(c) and charge the requisite Rule 17(p) fee to our Deposit Account No. 07-2339 and proceed to consider this Information Disclosure Statement.

Respectfully submitted,

By: James K Weixel

James K. Weixel
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Date: 6/15/2001

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INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Atty. Docket No.	Serial No.
97-3-804 CON1	Unassigned

Applicant: Deepak Ayyagari et al.

Filing Date	Group
Herewith	2732

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
	AA	5,623,484	4/22/97	Muszynski	370	335	
	AB	5,623,486	4/22/97	Dohi et al.	370	342	
	AC	5,257,283	10/26/93	Gilhousen et al.	375	1	
	AD	5,299,226	3/29/94	Schilling	375	1	
	AE	5,107,487	4/21/92	Vilmur et al.	370	18	
	AF	5,457,813	10/10/95	Poutanen	455	70	
	AG	5,481,561	1/2/96	Fang	375	205	
	AH	5,485,486	1/16/96	Gilhousen et al.	375	205	
	AI	5,548,616	8/20/96	Mucke et al.	375	295	
	AJ	5,570,353	10/29/96	Keskitalo et al.	370	18	
	AK	5,566,165	10/15/96	Sawahashi et al.	370	18	
	AL	5,590,409	12/31/96	Sawahashi et al.	455	69	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	BA	Bambos, N. et al., Radio Link Admission Control Algorithms for Wireless Networks with Power Control and Active Link Quality Protection, Tech. Report UCLA-ENG-94-25, UCLA School of Engg., p. 1-22, 1994.
	BB	N. Bambos et al., Power Control Based Admission Policies in Cellular Radio Networks, Proc. of IEEE Globecom, pp. 863-867, 1992.
	BC	Evans, J. et al., Effective Interference: a Novel approach for Interference Modelling and Traffic Analysis in CDMA Cellular Networks, Proc. of IEEE Globecom, Vol. 3, pp. 433-442, 1995.
	BD	Evans, J. et al., Call Admission Control in Multiple Service DS-CDMA Cellular Networks, Proc. Of IEEE Vehicular Tech. Conf., Vol. 1, pp. 227-231, 1996.
	BE	Zander, J., Distributed Cochannel Interference Control in Cellular Radio Systems, IEEE Transactions on Vehicular Technology, Vol. 41, pp. 305-311, August 1992.
	BF	Grandhi, S.A. et al., Distributed Power Control in Cellular Radio Systems, IEEE Transactions on Communications, Vol. 42, pp. 226-228, Feb./Mar./Apr. 1994.
	BG	Grandhi, S.A. et al., Centralized Power Control in Cellular Radio systems, IEEE Transactions on Vehicular Technology, Vol. 42, pp. 466-468, November 1993.
	BH	Grandhi, S.A. et al., Constrained Power Control in Cellular Radio Systems, Proc. of IEEE Vehicular Tech. Conference, 1994.
	BI	Foschini, G.J. et al., A Simple Distributed Autonomous Power Control Algorithm and its Convergence, IEEE Transactions on Vehicular Technology, Vol. 42, pp. 641-646, November 1993.
	BJ	Yates, R.D., A Framework for Uplink Power Control in Cellular Radio systems, IEEE Journal on Selected Areas in Communication, Vol. 13, pp. 1341-1346, September 1995.

Examiner	Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	Applicant Deepak Ayyagari et al.	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	BK	Huang, C.Y. et al., Call Admission in Power Controlled CDMA Systems, Proc. of IEEE Vehicular Technology Conference, vol. 3, pp. 1665-1669, 1996.
	BL	Yates, R.D. et al., Integrated Power Control and Base Station Assignment, IEEE Trans. on Vehicular Technology, Vol. 44, pp. 638-644, August 1995.
	BM	Hanly, S.V., An Algorithm for Combined Cell-site Selection and Power Control to Maximize Cellular Spread Spectrum Capacity, IEEE Journal on Selected Areas in Communication, Vol. 13, pp. 1332-1340, September 1995.
	BN	Mitra, D., An Asynchronous Distributed Algorithm for Power control in Cellular Radio systems, 4th WINLAB workshop in 3rd Generation Wireless Info. Networks, 1993.
	BO	Fletcher, R. Practical Methods of Optimization, John Wiley and Sons, 1987.
	BP	TR 45.5 Working Committee for CDMA, Service Description for Third Generation CDMA Systems applicable to IMT-2000 (Version 0.07) August 5, 1997.
	BQ	Chin-Lin, I. et al., Multi-code CDMA Wireless Personal Communications Networks, in ICC '95 Conference Record, pp. 1060-1064, June 1995.
	BR	Chih-Lin, I. et al., Performance of Multi-Code CDMA Wireless Personal Communications Network, Proc. of IEEE Vehicular Technology Conference, pp. 907-911, 1995.
	BT	Chih-Lin, I. et al., Variable Spreading Gain CDMA with Adaptive Power Control for Integrated Traffic in Wireless Networks, Proc. of IEEE Vehicular Technology Conference, pp. 794-798, 1995.
	BU	Gilhousen et al., On the Capacity of a Cellular CDMA System, IEEE Transactions on Vehicular Technology, Vol. 40, pp. 301-312, May 1991.
	BV	Liu, Z. et al., Interference Issues in Multi-Code CDMA Networks, PIMRC 1996, pp. 98-102, October 1996.
	BW	Viterbi, A.J. et al., Erlang Capacity of a Power controlled CDMA System, IEEE Journal on Selected Areas in Communications, vol. 11, pp. 892-899, August 1993.
	BX	Cameron, R. et al., Performance Analysis of CDMA with Imperfect Power Control, IEEE Transactions on Communication Theory, vol. 44, pp. 777-781, July 1996.
	BY	Priscoli, F.D. et al., Effects of Imperfect Power Control and User Mobility on a CDMA Cellular Network, IEEE Journal of Selected Areas in Communication, Vol. 14, pp. 1809-1817, December 1996.
	BZ	Mandayam, N.B. et al. Erlang Capacity for an Integrated Voice/Data DS-CDMA Wireless System with Variable Bit Rate Sources, Proc. of PIMRC, Vol. 3, pp. 1078-1082, 1995.
	ba	Hanly, S.V., An Algorithm for Combined Cell-site Selection and Power control to Maximize Cellular Spread Spectrum Capacity, IEEE Journal on Selected Areas in Communication, Vol. 13, pp. 1332-1340, September 1995.
	bb	Holtzman, J.M., A Simple, Accurate Method to Calculate Spread Spectrum Error Probabilities, IEEE Transactions on Communications, vol. 40, pp. 461-464, March 1992.
	bc	Padovani, R., Reverse Link Performance of IS-95 Based Cellular Systems, IEEE Personal communications, No. 3, pp. 28-34, 1994.

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	AM	5,341,397	8/23/94	Gudmunson	370	335	
	AN	5,621,723	4/15/97	Walton	370	335	
	AO	5,722,051	2/14/98	Agrawal	455	69	
	AP	5,734,646	3/31/98	I	370	335	
	AQ	6/038,452	3/14/00	Strawczynski	455	446	
	AR	6,044,072	3/28/00	Ueda	370	335	
	AS	6,069,883	5/30/00	Ejzak	370	335	
	AT	6,070,085	5/30/00	Bender	455	522	

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